



Figure S1. Phylogenetic trees from separate analyses of spideroin amino (N)- and carboxyl (C)-terminal regions. Yellow bars connect linked N- and C-terminal regions from *Trichonephila clavipes* (*T. cla*). Gray bars connect the linked terminal regions from other species. Circles at internal nodes indicate bootstrap-supporting values as follows: black circles $\geq 95\%$, gray circles $\geq 85\%$, and white circles $\geq 70\%$. Scale bar indicates substitution per site. Species names abbreviated as *L.hes* for *Latrodectus hesperus*, *L. geo* for *Latrodectus geometricus*, *S. gro* for *Steatoda grossa*, and *A. arg* for *Argiope argentata*.